

AMENDMENT TO THE SPECIFICATION

Change Page 5, lines 13 to 19, as follows:

Hereunder, embodiments of the invention will be explained with reference to Figs. 1-3. Fig. 1 is a diagram showing an overall structure of a two-color radiation thermometer according to an embodiment of the present ~~embodiment~~ invention. Fig. 2 is a schematic view showing a light path in an image pickup unit shown in Fig. 1. Fig. 3 is a front view of a light receiving surface of a CCD image sensor shown in Fig. 2.

Change Page 7, lines 6 to 18, as follows:

An operation of measuring a radiation temperature using the ~~two-color~~ two-color radiation thermometer will be explained next. The incident lens system 12 converses light L1 with the wavelengths 1 and 2 radiated from the measuring object 11. The light blocking plate 13 collimates the light L1, and the light L1 enters the prism 14. In the light L1, only light L2 with the wavelength 1 transmits through the 1-wavelength selective transmitting filter 15. When the light L2 transmits through the 1-wavelength selective transmitting filter 17 attached to the front face of the CCD image sensor 10, light with a wavelength other than the wavelength 1 is further attenuated, and the light L2 reaches the 1-light receiving area 10L on the two-dimensional light receiving surface 10a.